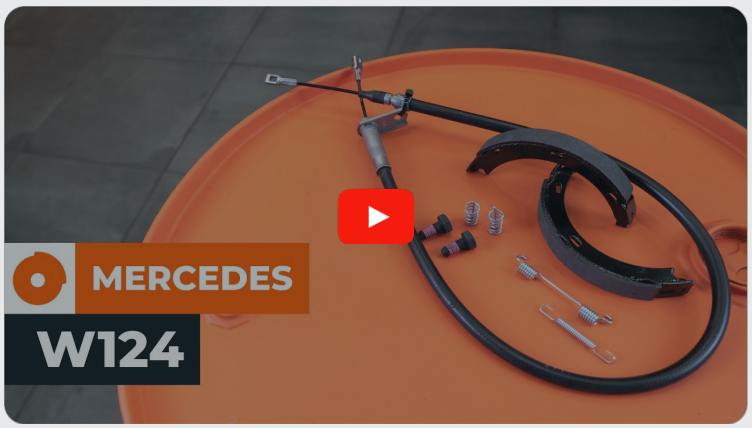
AUTODOC CLUB

How to change handbrake shoe on **MERCEDES-BENZ A-Class (W169)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) E-CELL (169.090), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 170 (169.032, 169.332), MERCEDES-BENZ A-Class (W169) A 150 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 200 (169.033, 169.333), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308), MERCEDES-BENZ A-Class (W169) A 200 TURBO (169.034, 169.334), MERCEDES-BENZ A-Class (W169) A 160 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 180 (169.032, 169.332)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129)

REPLACEMENT: HANDBRAKE SHOE – MERCEDES-BENZ A-CLASS (W169). TOOLS YOU'LL NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #17
- Drive socket # 13
- Drive socket # 17
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Pin punch
- Hammer
- Tap wrench
- Long nose pliers
- Crow bar
- Wheel chock

Buy tools

Replacement: handbrake shoe – MERCEDES-BENZ A-Class (W169). Tip from AUTODOC experts:

- All work should be done with the engine stopped.

REPLACEMENT: HANDBRAKE SHOE – MERCEDES-BENZ A-CLASS (W169). RECOMMENDED SEQUENCE OF STEPS:

1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.

3 Secure the wheels with chocks.

4 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.

5 Raise the car.

AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

6 Unscrew the wheel bolts.

Replacement: handbrake shoe – MERCEDES-BENZ A-Class (W169). AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

7 Remove the wheel.

8 Clean the brake pad guide pins. Use a wire brush. Use all-purpose cleaning spray.

9 Remove the brake pad guide pins. Use a pin punch. Use a hammer.

10 Remove the retaining spring of the brake pads.

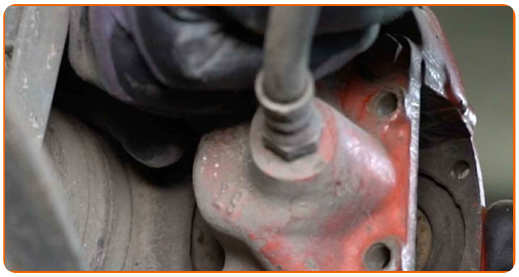
11 Spread the brake pads. Use a crowbar (2 pieces).

12 Remove the brake pads.

13 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

14 Unscrew the brake caliper fasteners. Use a combination spanner #17.

15 Remove the fastening bolts.



16 Remove the brake caliper.

Replacement: handbrake shoe – MERCEDES-BENZ A-Class (W169). Tip:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

17 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

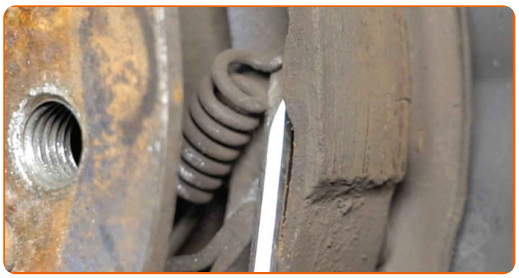
18 Unscrew the brake disc fasteners. Use HEX No.H5. Use a ratchet wrench.

19 Remove the fastening bolt.

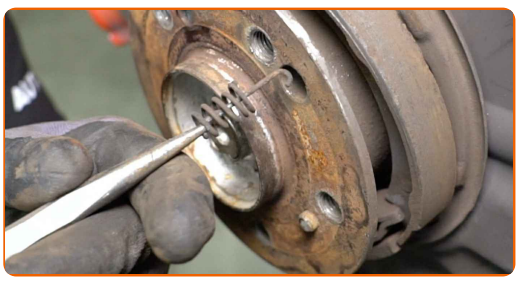
20 Release the parking brake adjuster. Use a flat screwdriver.

21 Remove the brake disc.

22 Remove the lower brake shoe return spring. Use a flat screwdriver.



23 Remove the hold-down springs of the parking brake shoes. Use long nose pliers.



24 Remove the parking brake shoes.

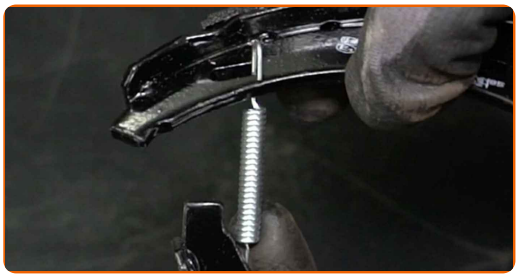
25 Clean the mounting seats of the parking brake shoes. Use a wire brush. Use all-purpose cleaning spray.

26 Remove the parking brake adjuster.

27 Clean the parking brake adjuster. Use a wire brush. Use all-purpose cleaning spray.

28 Remove the upper return spring.

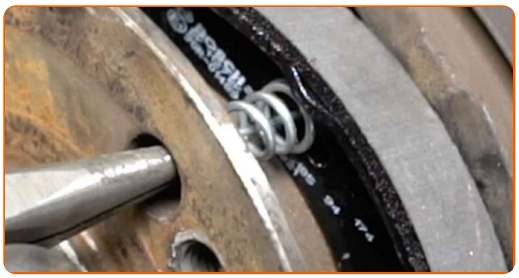
29 Install the upper return spring.



30 Install the parking brake adjuster.

31 Install new parking brake shoes.

32 Install the hold-down springs of the parking brake shoes. Use long nose pliers.



33 Install the lower return spring. Use a flat screwdriver.

34 Clean the wheel hub. Use a wire brush.

35 Treat the contacting surface. Use ceramic grease.

36 Install the brake disc.

37 Install the fastening bolt.

38 Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.

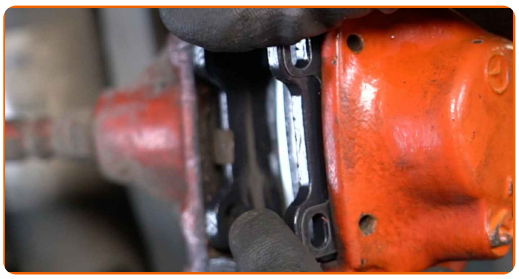
39 Set the parking brake adjuster in the correct position. Use a flat screwdriver.

40 Install the brake caliper and fasten it.

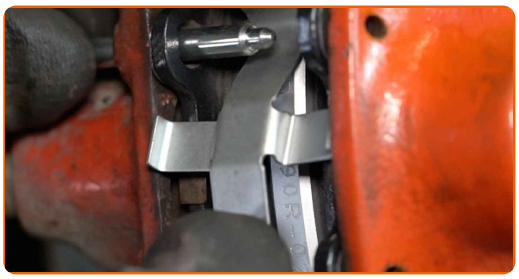
41 Install the fastening bolts.

42 Tighten the brake caliper fasteners. Use a drive socket #17. Use a torque wrench. Tighten it to 65 Nm torque.

43 Install the brake pads.

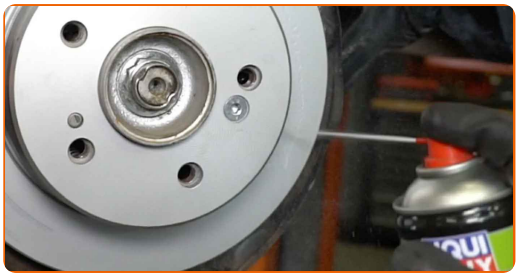


44 Install the retaining spring of the brake pads.



45 Install the brake pad guide pins. Use a pin punch. Use a hammer.

46 Clean the brake disk surface. Use a brake cleaner.



47 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

48 Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ A-Class (W169)

49 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.

50 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

51 Remove the jacks and chocks.

AUTODOC recommends:

- MERCEDES-BENZ A-Class (W169) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.
- Check the brake fluid level in the expansion tank and top up if necessary.

52 Tighten the brake fluid reservoir cap.

53 Close the bonnet.

WELL DONE!

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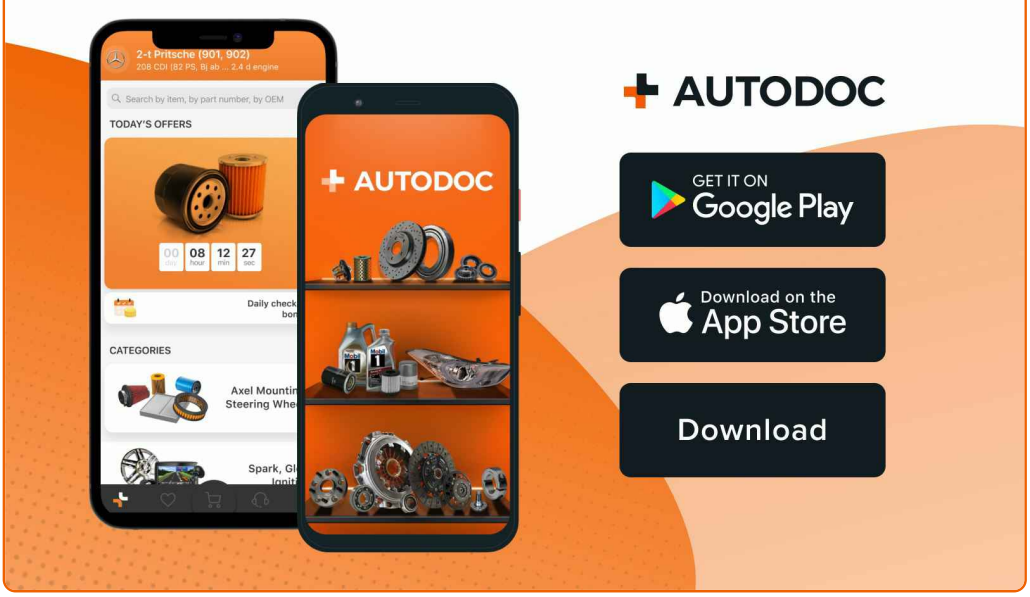

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

HANDBRAKE SHOE: A WIDE SELECTION

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